

L Number	Hits	Search Text	DB	Time stamp
1	95	wittwer.in.	USPAT	2003/06/07 12:44
2	17	wittwer.in. and DNA	USPAT	2003/06/07 12:45
3	10	(wittwer.in. and DNA) and (viral or virus)	USPAT	2003/06/07 13:17
4	1	(viral or virus)and 6174670.pn.	USPAT	2003/06/07 12:50
5	215907	(viral or virus)and 6174670.pn. and "30" cycles	USPAT	2003/06/07 12:51
6	1	(viral or virus)and 6174670.pn. and "30 cycles"	USPAT	2003/06/07 12:52
7	0	(viral or virus)and 6174670.pn. and "30 cycles" and glycosylase	USPAT	2003/06/07 12:53
8	0	(viral or virus)and 6174670.pn. and "30 cycles" and uracil	USPAT	2003/06/07 12:53
9	0	(viral or virus)and 6174670.pn. and uracil\$	USPAT	2003/06/07 12:54
10	0	(viral or virus)and 6174670.pn. and (sputum or urine or tissue)	USPAT	2003/06/07 12:55
11	1	(viral or virus)and 6174670.pn. and (fluid or blood)	USPAT	2003/06/07 13:05
12	1	(viral or virus)and 6174670.pn. and two adj probes	USPAT	2003/06/07 13:07
13	1	(viral or virus)and 6174670.pn. and (two adj probes or primers)	USPAT	2003/06/07 13:14
14	322	uracil adj DNA adj glycosylase	USPAT	2003/06/07 13:14
15	134	(uracil adj DNA adj glycosylase) and (pcr same control)	USPAT	2003/06/07 13:14
16	6	(uracil adj DNA adj glycosylase) same (pcr same control)	USPAT	2003/06/07 13:14
17	1	6174670.pn. and sample	USPAT	2003/06/07 13:17

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Innovative Tools for Amplification

last update February 20, 2001

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Product literature

In this section we have gathered information about PCR applications involving Roche Applied Science amplification products which has been published in our *Biochemica* newsletter. We also provide a list of technical tips which may be useful for your daily PCR work. To view the articles please follow the links below. All articles are in Acrobat PDF format, and must be viewed, searched, and printed with version 3.0 or higher of the free *Adobe Acrobat Reader*. Or while supply lasts, you can also order printed copies of the *Biochemica* issues free of charge from your local representative.

Since pure nucleic acids are crucial for successful PCR, we would also like to refer you to our [Nucleic Acid Isolation and Purification Special Interest Site](#) which contains information about how DNA and RNA templates as well as amplification products can be easily and efficiently purified.

In addition, deoxynucleotides are essential components in amplification reactions and their purity significantly influences the results. Roche Applied Science developed a special manufacturing and purification process for deoxynucleotides. Combined with a new stringent quality control procedure, the highest possible purity and functionality of these products is guaranteed allowing you to exploit the complete potential of the amplification technology. For more information, please refer to our new [PCR Grade Deoxynucleotides - Additional power to perfect your PCR Experiments flyer](#).

***Biochemica* articles**

Detection of Multiple Reporter Dyes in Real-time, On-line PCR Analysis with the LightCycler System.

Gregor Sanger, Cornelia Goldstein, and Rob van Miltenburg
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The LightCycler - The Smartest Innovation for More Efficient PCR.
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Quantitative PCR by Continuous Fluorescence Monitoring of a Double Strand DNA-Specific Binding Dye.
Randy Rasmussen, Tom Morrison, Mark Herrmann, and Carl Wittwer
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Rapid Genotyping and Quantification on the LightCycler with Hybridization Probes.
Deepika de Silva, Astrid Reiser, Mark Herrmann, Karim Tabiti, and Carl Wittwer
Biochemica 2:12-15 (1998)

Use of Expand PCR System to Amplify the 16S Ribosomal Genes for the Characterization of Bacterial Communities in Soil.
Paula Leeflang and Eric Smit
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A Preliminary Report on the Detection of Phytoplasmas by PCR.
J. Kummet and G. Rufflard
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Efficient and Accurate PCR Amplification and Detection of a Recombinant Gene in DNA Directly Extracted from Soil Using the ExpandTM High Fidelity PCR System

and T4 Gene 32 Protein.

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A Rapid and Reliable PCR Based Method for Detecting the Blood Coagulation Factor V Leiden Mutation.

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Detection of Tumor Associated Antigen Gene Expression in Peripheral Blood by RT-PCR with the mRNA Isolation Kit for Blood/Bone Marrow.

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Application of Heat-labile Uracil-DNA Glycosylase In an Improved Carry Over Prevention Technique.

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Use of the Expand Long Template PCR System in Genotyping for Polymorphisms in the Human Cytochrome P450 CYP2D6 Gene.

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Dirk Prawitt
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Highly Accurate Quantification of mRNA Expression by Means of Titan One Tube RT-PCR and Capillary Electrophoresis.

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Blunt End Cloning of PCR Fragments Using a New Positive-selection Vector.

Daniel Schlieper, Manfred Schmidt, Harald Sobek, and Brigitte von Wilcken-Bergmann
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Optimizing PCR-labeling and Hybridization Conditions Result in Extremely Fast, High Quality, Chemiluminescent DNA Fingerprints.

Graeme J. Gissling, Teresa J. Crease, and John McA. Eadie

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Activity of Restriction Enzymes in a PCR Mix.
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Isolation of the Full Length cDNA Mouse Homologue of Human RPGR Using the
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Optimization of the RT-PCR Method by Use of the Titan One Tube RT-PCR
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Use of Expand High Fidelity for Differential Display.
K. V. Phenix, C. R. Irwin, G J. Linden, and J. J. Marley
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Pascale Hilbert and Michel Sabine
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Demonstration of the Expand PCR System's Greater Fidelity and Higher Yields
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Use of the Plant DNA Isolation Kit to Quickly Purify High Molecular Weight DNA
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Long Template PCR System.
Bernd Weil, Thomas Hankeln, and Erwin R. Schmidt
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Amplification of Fragments up to 7.7 kb from Human Dystrophin RNA by RT-PCR
with AMV Reverse Transcriptase and the Expand Long Template PCR System.
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Application of the High Pure PCR Product Purification Kit for Efficient, Convenient
Purification of PCR Products.
Michael Fritz, Lis Bützer, Harald Sobek, Barbara Ruger, Manfred Schmidt, and
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Amplification of the Human Glutathione s-transferase-pi cDNA from a lgt11 cDNA
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Amplification of a GC-rich Template Out of Plasmid DNA.
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RT-PCR with Expand Long Template.
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Amplification and DIG-labeling of a Cloned Fragment With GC-rich Triple Repeats
Out of a Vector with Taq DNA Polymerase or the Expand High Fidelity PCR
System.
Gregor Sagner, Maria Hartl, and Bruno Frey
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